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concl The invention is a mobile pan and tilt camera and display-control apparatus comprising (1) a fully rotatable camera mounted to a vehicle for capturing images, (2) a display-control box having an image display screen and control buttons for controlling the camera and its movement, and (3) an image capture box for storing the captured images or transmitting the captured images to a remote location. The display-control box is attached to an adjustable mount in the vehicle within an operator's view and reach. ---

CLAIMS

1. (amended) A mobile pan and tilt camera and display-control apparatus comprising:

a fully rotatable camera attached to a mount assembly that is mounted to a vehicle for capturing mobile images;

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concl a display-control box having an image display screen and control buttons for controlling said camera and its movement, said display-control box being attached to an adjustable mount in said vehicle within an operator's view and reach;

an image capture box for receiving said captured images.

2. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 1 wherein said full rotation is achieved by mounting said camera to a [tiltable] tilting mechanism mounted on a panning mechanism.

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5. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 further comprising a water seal attached to said [mount] tilting mechanism.

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7. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 wherein said [mounting] mount assembly is adapted to engage a [Thule^R] THULE® brand roof rack system.

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8. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 1 further comprising a ball-plunger for self-locking said mount assembly.

9. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 1 further comprising a security fastener as a secondary and operator activated mechanical locking mechanism for said mount assembly.

10. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 further comprising a singular support for both [pan] said panning mechanism and [tilt] said tilting mechanism [mechanisms] and separate drive gears and slip clutches for both [pan] said panning mechanism and [tilt] said tilting mechanism [mechanisms].

11. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 10 wherein said slip clutch comprises:

a rotationally free gear;

a support housing for gear;

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a friction pad co-aligned to said gear between said gear and said support housing;

a wave washer to apply a pressure against said rotationally free gear and said [gear] support housing of sufficient force to enable a motor to drive [a transfer] said gear and said support housing to a point where said support housing stops [said transfer housing from rotation] rotating and said rotationally free gear breaks friction of said friction pad while said motor continues to drive without overheating.

21. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 [further comprising mounting] wherein said mount assembly mates to a [Yakima^R] YAKIMA^R brand roof rack system.

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22. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 [further comprising] wherein said mount assembly includes [with] an adapter plate to mate to a light bar used on emergency and patrol guard vehicles.

23. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 wherein said mount assembly is adaptable to a rail road locomotive attachment.

24. (amended) A mobile pan and tilt camera and display-control apparatus as claimed in claim 2 [further comprising] wherein said mount assembly includes an [with] adapter plate for ship-board attachment.

25. (amended) A process for viewing a scene with [a] mobile pan or tilt camera of claim 1 comprising the steps of:

mounting [a] said camera to a vehicle for capturing mobile images;

displaying said images on an image display screen;

controlling said camera position from within said vehicle;

capturing said images in an image capture box for storage and transmission of said captured mobile images; and

transmitting said captured mobile images by radio frequency transmission to a data storage server for further processing; and

providing said captured mobile images on internet server for official or consumer access.

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